

**REMEDIAL DESIGN/REMEDIAL ACTION (RD/RA)
COOPERATIVE AGREEMENT
PROGRESS REPORT**

AGREEMENT NO.: V-990601-02-0

SITE NAME: McCormick & Baxter Creosoting Co.
Portland, OR

PREPARED BY: Bill Dana, Project Manager
Oregon Dept. of Environmental Quality (DEQ)

DATE: September 3, 1998

PERIOD: April 1, 1998 through June 30, 1998

1. PROGRESS MADE THIS PERIOD

During this reporting period, DEQ completed the design and the contract and bidding documents for Phase I of the soil remedy. An Invitation to Bid was issued by the Oregon Department of Administrative Services (DAS) on May 28, 1998. A site bid walk and pre-bid conference for the soil remediation contractor procurement were held on June 5, 1998. Bids were received in July, and will be discussed in the next Progress Report.

In addition, during this reporting period, DEQ's contractor, Ecology & Environment, Inc. (E&E), completed the Groundwater Sampling and Quality Assurance Plan (GW-SQAP). This groundwater investigation, which is currently underway, is designed to address data gaps which are inhibiting full implementation of the selected groundwater remedy.

DEQ staff reviewed and provided written comments on several deliverables submitted by E&E, during this report period, in addition to the design documents, contract documents and GW-SQAP discussed above. These additional work products submitted by E&E during the reporting period included the following: a final version of the Groundwater Monitoring Report for the fourth quarter 1997, draft and final versions of the Groundwater Monitoring Report for the first quarter 1998, a technical memo on Proposed Treatment System Extraction Pump Enhancements, a technical memo on Proposed Site Layout Modifications, a technical memo on Continuous NAPL Extraction in TFA and Pilot Treatment System Modifications, a technical memo on Well Statistics and Pump Configurations for NAPL Extraction in the TFA and FWDA, and a technical memo on Performance of Passive NAPL Skimmers in Two Site Wells.

USEPA SF



1386034

In addition, DEQ staff reviewed three Invoices, three Task Order Progress Reports and one Budget and Assumption Proposal (BAP) submitted by E&E.

DEQ met with City of Portland staff, on April 16, and May 20, 1998, to discuss soil remedy implementation issues and the City's permitting requirements. DEQ and E&E staff have been working intermittently on permit applications for the City of Portland and Union Pacific Railroad, concerning the soil remedy. DEQ staff also met with staff of the Metropolitan Service District (Metro), concerning site access issues, and participated in a meeting with various local government and community leaders, concerning land use issues for the McCormick & Baxter site and neighboring properties.

In total, DEQ staff (excluding the laboratory) spent 392 hours on RD and RA activities during the reporting period. Copies of DEQ's Direct Labor Summaries, for RD/RA activities during this period, are attached.

During this reporting period, E&E staff worked primarily on the final design and contract documents for the soil remedy, the final Groundwater SQAP, and on a variety of groundwater remedy implementation tasks. E&E's full-time, on-site engineer completed a number of maintenance activities, during this reporting period. As noted above, E&E staff conducted site analysis, contacted various equipment manufactures, and prepared several technical memoranda, concerning NAPL recovery and other site operation activities. E&E also conducted routine groundwater sampling for the second quarter 1998. In addition, E&E and its subcontractors continued to provide routine treatment system operation and maintenance, and site security.

E&E issued Task Order Progress Reports, describing these and other activities, on May 20, 1998 (for the period March 29 through May 2, 1998), on June 17, 1998 (for the period May 3 through May 30, 1998), on July 15, 1998 (for the period May 31 through June 27, 1998), and on August 12, 1998 (for the period June 28 through June 30, 1998). Copies of these reports are attached.

2. BUDGET STATUS SUMMARY

Budget status summaries are included in the attached Task Order Progress Reports from E&E, and in the attached DEQ accounting tables. Note that costs are reported for both Remedial Action and Remedial Design.

3. SCHEDULE STATUS

Implementation of the soil remedy was on schedule, during this reporting period. Design of the amended soil remedy was completed, and contractor procurement

initiated, in May 1998. However, the State rejected all bids in August, and will be re-bidding the job in September. This delay will be discussed in the next Progress Report.

Groundwater remedy enhancement tasks are moving forward. As noted above, the Groundwater SQAP was finalized during this period, and implementation is currently underway.

An updated schedule for RA activities were received from E&E in July, and copies were provided to EPA. RD activities were presumed to have been completed in May. Copies of the revised schedule for Phase I soil remediation contractor procurement and implementation will be provided to EPA, as soon as they are received from E&E.

4. ISSUES AND/OR PROBLEMS ENCOUNTERED AND RESOLUTION

There were no significant issues/problems during the reporting period. As indicated above, the soil remedy was on schedule during this report period (although it has recently been delayed). The design was completed, and contractor procurement was initiated. Discussions with Union Pacific Railroad, Metro, and the City of Portland, concerning implementation of the soil remedy were initiated and progress made. The Groundwater SQAP was completed, implementation is now underway, and a number of technical memoranda concerning NAPL recovery system enhancements were approved.

5. ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD

During the next reporting period (July 1 through September 30, 1998), DEQ will direct E&E to amend the contract documents for the soil remedy, and DEQ will initiate a second round of procurement of a remediation contractor. A second pre-bid conference and site walk will be held. DEQ hopes to obtain permit approvals from Union Pacific Railroad and the City of Portland, for Phase I of the soil remedial action. In addition, E&E will prepare a soil remedy Construction Quality Assurance Plan (CQAP). The Groundwater SQAP, and a number of groundwater remedy enhancements, as described in E&E's technical memoranda, will be implemented. A Groundwater Monitoring Report for the second quarter 1998 will be submitted. DEQ will issue at least one fact sheet to the public, and will conduct a public meeting to discuss the CQAP and other soil remedy implementation issues.

attachments

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 88-97-5
 E & E Invoice No.: 73582
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OH4000
 Prepared by: John Montgomery, Project Manager, E & E - Portland
 Date: May 20, 1998
 Period: March 29, 1998 to May 2, 1998

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$0.00	\$0.00	0%
2-RD Site-Specific Plans	\$0.00	\$3,811.18	\$3,594.00	100%
3-RD Project Administration	\$1,543.95	\$37,883.10	\$55,914.00	75%
4-RD Subcontractor Procurement	\$0.00	\$1,021.54	\$895.00	100%
5-RD Community Relations	\$0.00	\$6,554.60	\$8,904.00	100%
6-RD Data Acquisition	\$0.00	\$16,079.53	\$30,476.00	100%
7-Sample Analysis	\$0.00	\$9,892.00	\$10,302.00	100%
8-RD Data Validation	\$0.00	\$501.29	\$1,979.00	100%
9-RD Data Management	\$0.00	\$18,832.21	\$21,367.00	100%
10-Treatability Studies	\$0.00	\$0.00	\$0.00	0%
11-Preliminary Design	(\$190.27)	\$75,445.82	\$78,218.00	95%
14-Pre-Final/Final Design	\$9,802.03	\$52,993.29	\$59,531.00	90%
RD Subtotal	\$11,155.71	\$223,014.56	\$271,180.00	85%
21-RA Planning and Support	\$1,072.85	\$34,159.52	\$65,036.00	50%
22-RA Site-Specific Plans	\$4,797.05	\$125,864.42	\$141,247.00	90%
23-Construction Contractor Procurement	\$4,327.93	\$20,511.00	\$37,941.00	50%
25-Resident Inspection Services	\$0.00	\$0.00	\$0.00	0%
26-RA Data Validation	\$64.55	\$289.22	\$1,939.00	15%
27-RA Implementation	\$47,232.31	\$385,130.73	\$541,453.00	70%
RA Subtotal	\$57,494.69	\$565,954.89	\$787,616.00	70%
TOTAL	\$68,650.40	\$788,969.45	\$1,058,796.00	75%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 2: RD Site Specific Plans. No activities were conducted during this period

Task 3: RD Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RD activities and prepared invoice number 73837 dated April 9, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	Project management
K. Smith	Engineer	5	Project management, invoice preparation.

Task 4: RD Subcontractor Procurement. No activities were conducted during this period

Task 5: RD Community Relations. No activities were conducted during this period.

Task 6: RD Data Acquisition. No activities were conducted during this period.

Task 7: RD Sample Analysis. No activities were conducted during this period.

Task 8: RD Data Validation. No activities were conducted during this period.

Task 9: RD Data Management. No activities were conducted during this period.

Task 11: Preliminary Design. No activities were conducted during this period. Time sheet adjustment was made as noted in the previous invoice.

Individual	Role	Hours	Activity
R. Earlywine	Engineer	-3	Hours moved to Task 14

Task 14: Pre-Final Design. E & E received DEQ's comments regarding the pre-final soil design on April 15, 1998. E & E modified the specifications, contract documents and engineering drawings in accordance with DEQ's comments. The final deliverable was submitted to DEQ on May 1, 1998 as scheduled in the Task Order.

Note - E & E's effort to prepare the contract and bidding portions of the documents has been incurred in Task 23, as specified by the Task Order.

Individual	Role	Hours	Activity
A. Whitman	Senior Engineer	17	P.E. review of design and contract documents.
K. Smith	Project Engineer	35	Organized, monitored, and reviewed soil design and document preparation activities.
R. Earlywine	Project Engineer	3	Time sheet correction.
R. Whitlock	Computer Support	0.5	Computer support to troubleshoot cost estimating software problems.
C. Nancarrow	Project Engineer	42	Soil design activities; specification preparation, CAD figure preparation and quality review.

Individual	Role	Hours	Activity
D. Clements	Editor	0.5	Specification editing , word processing, and publications.
A. Showers	Graphics	2	Site vicinity map, location map.
R. Nordeen	Clerical	1	Word processing

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RA activities and prepared the invoice numbered 73837 dated April 9, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	5	Monthly RA project oversight
K. Smith	Engineer	4	RA project management, project staffing meeting, and invoice preparation.

Task 22: RA Site Specific Plans. During this period, E & E completed the draft GW-SQAP and delivered the document to DEQ on March 31, 1998.

Individual	Role	Hours	Activity
J. Montgomery	Project Manager	14	GW-SQAP review.
M. Witnauer	Geologist	16	GW-SQAP preparation
D. Clements	Editor	4.25	GW-SQAP document editing and word processing.
R. Bidell	CAD Operator	1	CAD figure modifications
C. Nancarrow	Engineer	1	CAD figure modifications
M. Herrmann	CAD Operator	3	CAD figure modifications
M. Billi	CAD Operator	2	CAD figure modifications
J. Mihalek	Clerical	11	Document production

Task 23: Construction Contractor Procurement. E & E revised the contract portion of the soil specifications in accordance with DEQ's comments. The revised sections were resubmitted to DEQ on May 1, 1998.

Individual	Role	Hours	Activity
K. Smith	Engineer	49	Contract document revisions

Task 26: RA Data Validation. E & E conducted routine data validation of treatment system effluent samples. Results of the data validation are included in E & E's quarterly report for the first quarter of 1998.

Individual	Role	Hours	Activity
D. Ikeda	Chemist	1	Data validation of effluent samples

Task 27: RA Implementation. During this period, E & E's full time on-site engineer, Kevin McGillivray, began activity at the site. The current task order budget does not include sufficient hours for this full time, on-site engineer. E & E will be submitting a cost proposal to DEQ at the end of May requesting additional funds to account for the increased on-site activity.

During this period, E & E began preparation of the First Quarter 1998 quarterly report. Preparation included data entry, data quality control checks, data analysis to determine site trends, preparation of tables and graphics, and preparation of report text.

During this period, E & E conducted site analysis and contacted various equipment manufacturers in response to David Anderson's recent requests (via e-mail) to increase NAPL extraction at the site. E & E's activities has been focused on collecting the required information for presentation into technical memoranda. The technical memoranda will be presented to DEQ in May

Groundwater samples were collected in April for the second quarter of 1998.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	Activity oversight.
M. Ochsner	Hydrogeologist	68	Quarterly report preparation, data review and analysis, discussion with DEQ to improve NAPL extraction.
D. Franzen	Regional H & S Officer	8	Site audit memorandum preparation
K. McGillivray	Site Engineer	195	Site operation supervision, activity coordination, data collection, and technical memoranda preparation.
K. Smith	Engineer	32	Site operation subcontract oversight, schedule of site activities, quarterly report review, site activity instruction for K. McGillivray.
T. Angus	Risk Assessor	10.5	Quarterly sampling assistance.
C. Nancarrow	Engineer	44.5	Database modifications, data quality control inspections, quarterly report preparation.
M. Witnauer	Geologist (Associate)	9	Pressure transducer data collection, site activity instruction for K. McGillivray
K. Miller	Technician	43	Quarterly groundwater sample collection
J. Mihalek	Clerical	65	Word processing, quarterly data entry, entry of DEQ lab data.

3. ISSUES OF IMPORTANCE.

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTION

None at this time.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Initiation of the soil contract procurement process on May 27, 1998
- Finalization of the GW-SQAP
- Submittal of a cost proposal
- Submittal of final quarterly reports.
- Submittal of outstanding technical memoranda.

6. DELIVERABLES SUBMITTED

- Draft GW-SQAP submitted on March 31, 1998
- Final soil design contract documents submitted on May 1, 1998

7. KEY PERSONNEL CHANGES

No changes have occurred during this period.

8. SUBCONTRACTING

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

9. DATA GENERATED

Weekly treatment system effluent analytical data was generated during this period. The results are summarized in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

11. LABORATORY SERVICES

Sound Analytical Services was utilized to analyze the weekly effluent water samples.

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 88-97-5
 E & E Invoice No.: 74135
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OH4000
 Prepared by: John Montgomery, Project Manager, E & E - Portland
 Date: June 17, 1998
 Period: May 3, 1998 to May 30, 1998

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$0.00	\$0.00	0%
2-RD Site-Specific Plans	\$0.00	\$3,811.18	\$3,594.00	100%
3-RD Project Administration	\$1,030.50	\$38,913.59	\$55,914.00	75%
4-RD Subcontractor Procurement	\$0.00	\$1,021.54	\$895.00	100%
5-RD Community Relations	\$0.00	\$6,554.60	\$8,904.00	100%
6-RD Data Acquisition	\$0.00	\$16,079.53	\$30,476.00	100%
7-Sample Analysis	\$0.00	\$9,892.00	\$10,302.00	100%
8-RD Data Validation	\$0.00	\$501.29	\$1,979.00	100%
9-RD Data Management	\$0.00	\$18,832.21	\$21,367.00	100%
10-Treatability Studies	\$0.00	\$0.00	\$0.00	0%
11-Preliminary Design	\$39.38	\$75,485.20	\$78,218.00	100%
14-Pre-Final/Final Design	\$2,770.23	\$55,763.52	\$59,531.00	90%
RD Subtotal	\$3,840.11	\$226,854.66	\$271,180.00	85%
21-RA Planning and Support	\$5,186.20	\$39,345.72	\$65,036.00	50%
22-RA Site-Specific Plans	\$4,633.96	\$130,498.39	\$141,247.00	90%
23-Construction Contractor Procurement	\$1,962.57	\$22,473.57	\$37,941.00	60%
25-Resident Inspection Services	\$0.00	\$0.00	\$0.00	0%
26-RA Data Validation	\$44.28	\$333.50	\$1,939.00	15%
27-RA Implementation	\$69,804.61	\$454,935.33	\$541,453.00	70%
RA Subtotal	\$81,631.62	\$647,586.51	\$787,616.00	70%
TOTAL	\$85,471.73	\$874,441.17	\$1,058,796.00	80%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 2: RD Site Specific Plans. No activities were conducted during this period

Task 3: RD Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RD activities and prepared the invoice numbered 73850 dated May 20, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	Project management.

Task 4: RD Subcontractor Procurement. No activities were conducted during this period

Task 5: RD Community Relations. No activities were conducted during this period.

Task 6: RD Data Acquisition. No activities were conducted during this period.

Task 7: RD Sample Analysis. No activities were conducted during this period.

Task 8: RD Data Validation. No activities were conducted during this period.

Task 9: RD Data Management. No activities were conducted during this period.

Task 11: Preliminary Design. No activities were conducted during this period.

Task 14: Final Design. E & E modified the specifications, contract documents and engineering drawings in accordance with DEQ's verbal comments. The final design documents were published and sent to DAS on May 22, 1998, for contractor procurement..

Note - E & E's effort to prepare the contract and bidding portions of the documents has been incurred in Task 23, as specified by the Task Order.

Individual	Role	Hours	Activity
K. Smith	Project Engineer	12	Final design preparation, review, and submittal.
C. Nancarrow	Project Engineer	9	Specifications and CAD figures modifications and quality review, and UPRR permit and correspondence.
A. Saxton	Clerical	6	Copying and publication.
A. Showers	Graphics	0.5	Site location/transportation route figures.
R. Nordeen	Clerical	1.5	Word processing.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RA activities and prepared the invoice numbered 73850 dated May 20, 1998 for the previous reporting period. E & E also began preparation of a BAP to be submitted to DEQ by mid-June.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	6	Monthly RA project oversight.
K. Smith	Engineer	29.5	RA project management, invoice preparation, and BAP preparation.
C. Nancarrow	Engineer	24.5	BAP preparation.

Task 22: RA Site Specific Plans. E & E received DEQ's comments regarding the Draft Groundwater-SQAP (GW-SQAP). During this period E & E began modifying the document in accordance with DEQ's comments. The Final GW-SQAP will be submitted to DEQ in early June.

Individual	Role	Hours	Activity
J. Montgomery	Project Manager	5	Comment and document review
M. Ochsner	Hydrogeologist	25	Document revisions
M. Coenen	Engineer	2	Document revisions
M. Witnauer	Geologist	18	Document revisions
C. Nancarrow	Engineer	4	CAD support and CQAP scope of work.
B. Morris	CAD Operator	1.75	CAD figure modifications.

Task 23: Construction Contractor Procurement. E & E revised the contract portion of the soil final design specifications in accordance with DEQ's verbal comments. The revisions were incorporated into the final design submitted to DAS on May 22, 1998.

Individual	Role	Hours	Activity
A. Whitman	Senior Project Engineer	2	P.E. Contract documents review.
K. Smith	Engineer	18	Contract document revisions.

Task 26: RA Data Validation. No activities were conducted during this period

Task 27: RA Implementation. During this period, E & E's full time on-site engineer, Kevin McGillivray, continued activity at the site. The current task order budget does not include sufficient hours for this full time, on-site engineer. E & E will be submitting a cost proposal to DEQ by mid-June requesting additional funds to account for his on-site activity.

E & E completed preparation of the draft First Quarter 1998 quarterly report and, which was submitted to DEQ on May 19, 1998. Preparation included data entry, data quality control checks, data analysis to determine site trends, preparation of tables and graphics, preparation of report text, and publication. The final Fourth Quarter 1997 quarterly report was also submitted on May 27, 1998. The final report contained revisions incorporating comments received from Dave Anderson (via e-mail) on April 16, 1998, and Bill Dana on May 26, 1998.

During this period, E & E began preparing several technical memorandums in response David Anderson's requests (via e-mail) to improve NAPL extraction at the site. The memo entitled *Proposed Treatment System Extraction Pump Enhancements* was submitted on May 26, 1998. This memo presents

proposed extraction pump modifications and purchases in order to enhance NAPL recovery at the site. Additional NAPL extraction enhancement memos are scheduled for submittal by early June. In addition, a technical memorandum entitled *Proposed Site Layout Modifications* was submitted to DEQ on May 28, 1998. This memo proposes modifications to the site layout to improve site control and health and safety.

During the week ending May 23, 1998, E & E's technician conducted clean-up/organization activities at the laboratory and shop buildings to improve working conditions at the site. Numerous laboratory chemicals from the McCormick and Baxter operations were collected and characterized for subsequent disposal. Health and safety improvements in the laboratory building were conducted such as recharging all fire extinguishers, sending site organic vapor analyzers to manufacturers for repair, purchased new first aid kits and eye wash stations, and purchased an OSHA approved acid storage container.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	13	Activity oversight.
M. Ochsner	Hydrogeologist	49	Quarterly report preparation, technical memorandum preparation.
K. McGillivray	Site Engineer	161	Site operation supervision, activity coordination, and data collection.
K. Smith	Engineer	69	Schedule of site activities, quarterly report review, technical memorandum preparation.
M. Coenen		1	Technical memorandum preparation.
D. Clements	Editor	6.5	Word processing and editing quarterly reports.
M. Witnauer	Geologist (Associate)	41.5	Quarterly report preparation.
C. Nancarrow	Engineer	91.5	Quarterly report preparation and review, data analysis, and technical memorandum preparation.
K. Miller	Technician	36.5	Site laboratory building clean-up/organization.
J. Mihalek	Clerical	49	Word processing, quarterly data entry.
A. Saxton	Clerical	5	Copying and publications.
A. Showers	Graphics	2	Quarterly report figures.
R. Nordeen	Clerical	1	Word processing.

3. ISSUES OF IMPORTANCE.

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTION

None at this time.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Continued soil remedial contractor procurement activities;
- Finalization of the GW-SQAP;
- Submittal of a cost proposal;
- Submittal of outstanding technical memoranda.

6. DELIVERABLES SUBMITTED

- Final soil design contract documents submitted on May 22, 1998 for bid solicitation.

7. KEY PERSONNEL CHANGES

No changes have occurred during this period.

8. SUBCONTRACTING

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

9. DATA GENERATED

Weekly treatment system effluent analytical data was generated during this period. The results are summarized in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

11. LABORATORY SERVICES

Sound Analytical Services was utilized to analyze the weekly effluent water samples.

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 88-97-5
 E & E Invoice No.: 74223
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OH4000
 Prepared by: John Montgomery, Project Manager, E & E - Portland
 Date: July 15, 1998
 Period: May 31, 1998 to June 27, 1998

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$0.00	\$0.00	0%
2-RD Site-Specific Plans	\$19.65	\$3,830.83	\$3,594.00	100%
3-RD Project Administration	\$894.66	\$39,808.25	\$55,914.00	100%
4-RD Subcontractor Procurement	\$0.00	\$1,021.54	\$895.00	100%
5-RD Community Relations	\$0.00	\$6,554.60	\$8,904.00	100%
6-RD Data Acquisition	\$0.00	\$16,079.53	\$30,476.00	100%
7-Sample Analysis	\$0.00	\$9,892.00	\$10,302.00	100%
8-RD Data Validation	\$0.00	\$501.29	\$1,979.00	100%
9-RD Data Management	\$0.00	\$18,832.21	\$21,367.00	100%
10-Treatability Studies	\$0.00	\$0.00	\$0.00	0%
11-Preliminary Design	\$0.00	\$75,485.20	\$78,218.00	100%
14-Pre-Final/Final Design	\$2,383.08	\$58,146.60	\$59,531.00	100%
RD Subtotal	\$3,297.39	\$230,152.05	\$271,180.00	85%
21-RA Planning and Support	\$11,577.74	\$50,923.45	\$65,036.00	85%
22-RA Site-Specific Plans	\$2,416.91	\$132,915.30	\$141,247.00	90%
23-Construction Contractor Procurement	\$7,726.08	\$30,199.65	\$37,941.00	75%
25-Resident Inspection Services	\$0.00	\$0.00	\$0.00	0%
26-RA Data Validation	\$0.00	\$333.50	\$1,939.00	50%
27-RA Implementation	\$42,828.34	\$497,763.67	\$541,453.00	90%
RA Subtotal	\$64,549.07	\$712,135.57	\$787,616.00	90%
TOTAL	\$67,846.46	\$942,287.62	\$1,058,796.00	90%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 2: RD Site Specific Plans. No activities were conducted during this period

Task 3: RD Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RD activities and prepared the invoice numbered 74135 dated June 17, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	7	Project management.

Task 4: RD Subcontractor Procurement. No activities were conducted during this period

Task 5: RD Community Relations. No activities were conducted during this period.

Task 6: RD Data Acquisition. No activities were conducted during this period.

Task 7: RD Sample Analysis. No activities were conducted during this period.

Task 8: RD Data Validation. No activities were conducted during this period.

Task 9: RD Data Management. No activities were conducted during this period.

Task 11: Preliminary Design. No activities were conducted during this period.

Task 14: Final Design. E & E finalized the specifications, contract documents and engineering drawings in accordance with DEQ's verbal comments. Hours incurred below were to assist in preparation of Addenda 1 and to track the UPRR permit application.

Individual	Role	Hours	Activity
C. Nancarrow	Project Engineer	12.5	Specifications and CAD figures modifications and UPRR permit and correspondence.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RA activities and prepared the invoice numbered 74135 dated June 17, 1998 for the previous reporting period. E & E also completed preparation of a BAP submitted to DEQ on June 15, 1998. The scope of this BAP included all identifiable project costs through June 30, 1999.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	23	Monthly RA project oversight, BAP preparation
M. Ochsner	Hydrogeologist	19	BAP preparation
K. Smith	Engineer	19.5	RA project management, invoice preparation, and BAP preparation.
C. Nancarrow	Engineer	50	BAP preparation.
M. Witnauer	Geologist	30	BAP preparation

Task 22: RA Site Specific Plans. E & E received DEQ's comments regarding the Draft Groundwater-SQAP (GW-SQAP). During this period E & E completed modifications to the document in accordance with DEQ's comments. The Final GW-SQAP was submitted to DEQ on June 1, 1998.

E & E initiated preparation of the Construction Quality Assurance Plan (CQAP) during this period, in accordance with verbal authorization provided by Bill Dana. This plan is to be submitted to DEQ at the end of July. It's content will document the activities and procedures that E & E will follow to ensure proper implementation of the soil removal activities.

Individual	Role	Hours	Activity
D. Clements	Editor	0.5	CQAP organization meeting
M. Witnauer	Geologist	2	Final GW-SQAP publication
C. Nancarrow	Engineer	27	CQAP scoping, organization meeting, and CQAP preparation.
H. Brunelle	Chemist	1	Final GW-SQAP publication.
R. Nordeen	Clerical	4.5	Final GW-SQAP wordprocessing

Task 23: Construction Contractor Procurement. In conjunction with DEQ, E & E attended the site bid walk and pre-bid conference for the soil removal contract procurement. Follow-up questions and issues raised during the site walk were documented by E & E to DEQ in the form of responses to bidder questions. E & E also assisted DEQ in making minor modifications to the contract documents. The result of these activities was the issuance of Addendum #1. E & E provided routine communication with DEQ throughout this period.

In order to keep the GW-SQAP implementation activities on schedule, E & E initiated preparation of subcontractor SOWs, in accordance with DEQ's approval.

Individual	Role	Hours	Activity
L. Zablotny Hurst	Legal Consul	2	RCRA disposal issues associated with Addenda 1.
J. Montgomery	Project Manager	4	Attendance at Bid Walk
K. Smith	Project Engineer	44	Bid walk attendance, monitored procurement activities, communication with DEQ, Addenda 1 preparation and responses to bidder questions.
M. Witnauer	Geologist	25	GW-SQAP subcontractor SOW preparation.
C. Nancarrow	Engineer	16.5	Response to bidder questions, Addenda 1 preparation.

Task 26: RA Data Validation. No activities were conducted during this period

Task 27: RA Implementation. During this period, E & E's full time on-site engineer, Kevin McGillivray, continued activity at the site. A significant number of site maintenance activities were conducted in this period. All site drums were consolidated into a protected storage area. 47 empty poly-drums were cleaned and dismantled for disposal. The site dust suppression system was reactivated. Clearing of brush from monitoring wells and fence lines was completed. Finally, a trench in the FWDA was excavated for the power and product lines associated with installation of a NAPL recovery pump in

EW-10s. In accordance with DEQ's instructions, a new site computer was purchased and installed.

During this period, E & E continued submittal of technical memoranda to improve NAPL monitoring and collection activities. The memo titled *Continuous NAPL Extraction in TFA and Pilot Treatment System Modifications* was submitted on June 4, 1998. This memo presents potential site modifications to attain continuous NAPL extraction in the TFA. On June 5, 1998 E & E submitted a memo titled *Well Statistics and Pump Configurations for NAPL Extraction in the TFA and FWDA*. This memo was requested by DEQ to document the current pump deployment. Finally, the memo *Performance of Passive LNAPL Skimmers in Two Site Wells* was submitted on June 15, 1998. This memo was submitted to document the performance of passive LNAPL skimmers that are being used on-site. The evaluation was conducted to determine if additional skimmers would be beneficial at the site.

E & E continued to conducted clean-up/organization activities at the laboratory and shop buildings to improve working conditions at the site. During this period E & E focused on preparing a technical memoranda for DEQ documenting the activities conducted, costs incurred, and outstanding issues. This memo will be submitted to DEQ in mid-July when the results of the lab-pack disposal price solicitation are available.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	9	Activity oversight.
M. Ochsner	Hydrogeologist	51	Memoranda preparation, data collection oversight.
K. McGillivray	Site Engineer	140	Full time, on-site operation supervision, activity coordination, and data collection.
K. Smith	Engineer	4	Technical memoranda review.
M. Coenen	Engineer	3	Site data collection assistance
M. Witnauer	Geologist	16	Pressure transducer download training, site computer installation.
C. Nancarrow	Engineer	32	Data analysis, technical memorandum preparation.
H. Brunelle	Chemist	2	Electronic data QA/QC
K. Miller	Technician	2	Site laboratory chemical disposal price solicitation.
B. Morris	CAD Operator	3	CAD file management and archival onto cd-rom
J. Mihalek	Clerical	55.5	Word processing, quarterly data entry.
A. Saxton	Clerical	0.25	Copying and publications.

3. ISSUES OF IMPORTANCE.

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTION

None at this time.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Continued soil remedial contractor procurement activities;
- Negotiation and re-submittal of the cost proposal;
- Submittal of outstanding technical memoranda;
- Issuance of Addenda #2
- Submittal of draft CQAP.

6. DELIVERABLES SUBMITTED

- Cost proposal submitted on June 15, 1998;
- Addendum #1 submitted on June 17, 1998; and
- Technical memoranda;

7. KEY PERSONNEL CHANGES

No changes have occurred during this period.

8. SUBCONTRACTING

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

9. DATA GENERATED

Weekly treatment system effluent analytical data was generated during this period. The results are summarized in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

11. LABORATORY SERVICES

Sound Analytical Services was utilized to analyze the weekly effluent water samples.

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 88-97-5
 E & E Invoice No.: 74388
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OH4000
 Prepared by: John Montgomery, Project Manager, E & E - Portland
 Date: August 12, 1998
 Period: June 28, 1998 to June 30, 1998

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$0.00	\$0.00	0%
2-RD Site-Specific Plans	\$0.00	\$3,830.83	\$3,594.00	100%
3-RD Project Administration	\$0.00	\$39,808.25	\$55,914.00	100%
4-RD Subcontractor Procurement	\$0.00	\$1,021.54	\$895.00	100%
5-RD Community Relations	\$0.00	\$6,554.60	\$8,904.00	100%
6-RD Data Acquisition	\$0.00	\$16,079.53	\$30,476.00	100%
7-Sample Analysis	\$0.00	\$9,892.00	\$10,302.00	100%
8-RD Data Validation	\$0.00	\$501.29	\$1,979.00	100%
9-RD Data Management	\$0.00	\$18,832.21	\$21,367.00	100%
10-Treatability Studies	\$0.00	\$0.00	\$0.00	0%
11-Preliminary Design	\$0.00	\$75,485.20	\$78,218.00	100%
14-Pre-Final/Final Design	\$1,132.90	\$59,279.50	\$59,531.00	100%
RD Subtotal	\$1,132.90	\$231,284.95	\$271,180.00	85%
21-RA Planning and Support	\$125.34	\$51,048.80	\$65,036.00	85%
22-RA Site-Specific Plans	\$1,983.24	\$134,898.54	\$141,247.00	100%
23-Construction Contractor Procurement	\$47.15	\$30,246.80	\$37,941.00	75%
25-Resident Inspection Services	\$0.00	\$0.00	\$0.00	0%
26-RA Data Validation	\$0.00	\$333.50	\$1,939.00	90%
27-RA Implementation	\$56,754.37	\$554,518.04	\$541,453.00	95%
RA Subtotal	\$58,910.10	\$771,045.68	\$787,616.00	90%
TOTAL	\$60,043.00	\$1,002,330.63	\$1,058,796.00	90%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 2: RD Site Specific Plans. No activities were conducted during this period.

Task 3: RD Project Administration. No activities were conducted during this period.

Task 4: RD Subcontractor Procurement. No activities were conducted during this period.

Task 5: RD Community Relations. No activities were conducted during this period.

Task 6: RD Data Acquisition. No activities were conducted during this period.

Task 7: RD Sample Analysis. No activities were conducted during this period.

Task 8: RD Data Validation. No activities were conducted during this period.

Task 9: RD Data Management. No activities were conducted during this period.

Task 11: Preliminary Design. No activities were conducted during this period.

Task 14: Final Design. No activities were conducted during this period.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RA activities.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	1	RA project oversight.

Task 22: RA Site Specific Plans. E & E continued preparation of the Construction Quality Assurance Plan (CQAP) during this period, in accordance with verbal authorization provided by Bill Dana. This plan is to be submitted to DEQ at the end of July. It's content will document the activities and procedures that E & E will follow to ensure proper implementation of the soil removal activities.

Individual	Role	Hours	Activity
K. Smith	Engineer	8	CQAP preparation.
C. Nancarrow	Engineer	13	CQAP preparation.

Task 23: Construction Contractor Procurement. No activities were conducted during this period.

Task 26: RA Data Validation. No activities were conducted during this period.

Task 27: RA Implementation. During this period, E & E's full time on-site engineer, Kevin McGillivray, continued activity at the site. Weekly site activities were planned along with organizing activities to implement the technical memoranda. Site data was also compiled into the database.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	1	Activity oversight.
M. Ochsner	Hydrogeologist	2	Site activity planning.
K. McGillivray	Site Engineer	17	Full time, on-site operation supervision, activity coordination, and data collection.
K. Smith	Engineer	7.5	Site activity planning, technical memoranda implementation.
C. Nancarrow	Engineer	2.5	Data analysis.
J. Mihalek	Clerical	7	Data entry.

3. ISSUES OF IMPORTANCE.

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTION

None at this time.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Continued soil remedial contractor procurement activities;
- Negotiation and re-submittal of the cost proposal;
- Submittal of outstanding technical memoranda;
- Issuance of Addenda #3 and #4.
- Submittal of draft CQAP.

6. DELIVERABLES SUBMITTED

- No deliverable were submitted during this period.

7. KEY PERSONNEL CHANGES

No changes have occurred during this period.

8. SUBCONTRACTING

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound

Analytical Services was utilized to analyze the weekly effluent water samples.

9. DATA GENERATED

Weekly treatment system effluent analytical data was generated during this period. The results are summarized in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

11. LABORATORY SERVICES

Sound Analytical Services was utilized to analyze the weekly effluent water samples.

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Action ()
For Month of April 1998

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
David Anderson	Meetings	6.00
	Document Review	12.00
	Employee Total:	18.00
Steve Campbell	Coordination	14.50
	Document Review	4.00
	Employee Total:	18.50
Bill Dana	Meetings	3.00
	Communication	7.50
	Coordination	3.50
	Document Prep	2.00
	Document Review	7.50
	Employee Total:	23.50
		60.00

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Design ()
For Month of April 1998

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Steve Campbell	Coordination	12.00
	Document Review	10.50
	Employee Total:	22.50
Bill Dana	Meetings	8.00
	Communication	12.50
	Coordination	4.50
	Document Prep	7.00
	Document Review	9.00
	Employee Total:	41.00
Kevin Dana	Records Management	.50
	Employee Total:	.50
Jill Kiernan	Communication	.50
	Coordination	.50
	Document Review	5.00
	Employee Total:	6.00
Joe Mollusky	Document Review	17.00
	Employee Total:	17.00
Daniel Murphy	Clerical/Admin Support	.50
	Employee Total:	.50
Barbara Petzing	Clerical/Admin Support	2.00
	Employee Total:	2.00
		89.50

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Action ()
For Month of May 1998

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
David Anderson	Meetings	1.00
	Coordination	1.00
	Document Prep	2.00
	Analysis and Planning	4.00
	Employee Total:	8.00
Steve Campbell	Coordination	22.00
	Document Prep	1.00
	Document Review	12.50
	Employee Total:	35.50
Bill Dana	Meetings	.50
	Communication	6.50
	Coordination	2.00
	Document Review	3.00
	Employee Total:	12.00
		55.50

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Design ()
For Month of May 1998

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Jo Brooks	Coordination	.50
	Employee Total:	.50
Steve Campbell	Coordination	10.00
	Document Prep	1.00
	Document Review	6.00
	Employee Total:	17.00
Jeff Christensen	Meetings	1.50
	Employee Total:	1.50
Bill Dana	Meetings	3.00
	Communication	6.50
	Coordination	6.00
	Document Review	.50
	Employee Total:	16.00
Kevin Dana	Records Management	.50
	Employee Total:	.50
Joe Mollusky	Document Review	3.00
	Employee Total:	3.00
Barbara Petzing	Clerical/Admin Support	1.50
	Employee Total:	1.50
Mary Wahl	Coordination	3.00
	Employee Total:	3.00
		43.00

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Action ()
For Month of June 1998

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
David Anderson	Document Review	5.00
	Employee Total:	5.00
Steve Campbell	Meetings	3.00
	Coordination	53.50
	Document Prep	6.50
	Document Review	10.00
	Site Visits	4.00
	Employee Total:	77.00
Bill Dana	Travel	5.00
	Meetings	8.00
	Communication	14.50
	Coordination	12.50
	Document Review	2.50
	Site Visits	2.50
	Financial Management	1.00
	Employee Total:	46.00
Dick Pedersen	Travel	2.00
	Meetings	7.00
	Communication	1.00
	Employee Total:	10.00
Dave St. Louis	Communication	.50
	Employee Total:	.50
		138.50

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Design ()
For Month of June 1998

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Bill Dana	Coordination	1.00
	Financial Management	1.00
	Employee Total:	2.00
Kevin Dana	Financial Management	.50
	Records Management	.50
	Employee Total:	1.00
Barbara Petzing	Clerical/Admin Support	2.50
	Employee Total:	2.50
		5.50

September 3, 1998

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

Al Goodman
U.S. Environmental Protection Agency
Oregon Operations Office
811 SW Sixth Ave.
Portland, OR 97204

Re: McCormick & Baxter Site
RD/RA Coop. Agreement
Quarterly Progress Report

Dear Al:

Enclosed is a Quarterly Progress Report for the McCormick & Baxter Creosoting Co. NPL site, as required by Remedial Design/Remedial Action (RD/RA) Cooperative Agreement number V-990601-02, between the U.S. Environmental Protection Agency (EPA) and the Oregon Department of Environmental Quality (DEQ). The report is for the period April 1 through June 30, 1998.

I apologize for the tardiness of this report. June 30 is the end of the state's fiscal year and it takes a considerable amount of time to get all trailing costs accounted for. I have been waiting for a statement of expenditures under the Cooperative Agreement, for this reporting period, from our Business Office. Copies of the statement are typically included in these Progress Reports. I have not yet received that statement, but I did not want to wait any longer to submit this report. A copy of the expenditures statement will be forwarded to you, as soon as I receive it.

If you have any questions concerning this report, please let me know.

Sincerely,



William H. Dana
Project Manager
Waste Mgmt. & Cleanup Division

enclosure

cc: Steve Campbell, DEQ (w/encl.)
John Montgomery, E&E (w/o encl.)



811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TDD (503) 229-6993
DEQ-1

